

MAY 31 2018



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D412-783-011
Job Sheet 178291



Part No: D412-783-011

Job Qty: 2 ea

Part Name: Gross Weight Towing Cable



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 5/29/18

Job Tracking No:

Due Date: 7/3/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG IIN-D412-783 REV E, D3943 REV E IPP Rev:A New Issue 09-06-02 JLM Verified By:EC IPP Rev:B @ chg 002 DD 10.02.22 Verified By:EC IPP Rev:C @ chg 004 DD 11.08.15 DD verf:JLM IPP Rev:D @ chg 005 DD 15.08.25 DD verf:JLM IPP REV:E 16.09.29 chg D3951-041 to D3951-1 as per PAR.625 DD VERF:JLM IPP Rev:E 17.12.27 @ chg 006 DD verf:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Lead Time	Sign-off
					Setup	Run	Workcenter / Supplier			
90	Start up Operation	2 Ea	7/3/18	7/3/18	0.00	0.00	Start Up Stores/Pkg-1			JUL 19 2018
110	Packaging	2 pcs	7/3/18	7/3/18	0.00	0.00	Packaging1-5			JUL 23 2018
120	QC	2 pcs	7/3/18	7/3/18	0.00	0.00	QC4			JUL 23 2018
125	DC	2 pcs	7/3/18	7/3/18	0.00	0.00	DC			JUL 23 2018
130	Packaging	2 pcs	7/3/18	7/3/18	0.00	0.00	Packaging3-2			JUL 23 2018
140	QC21-FG	2 Ea	7/3/18	7/3/18	0.00	0.00	QC21			JUL 23 2018

Part Op 120 - ***ENSURE CALIBRATION CERT. IS IN IIN PAPER WORK***

Descriptions: 125 - Photocopy blue file & type labels per PPP D412-783-011 CHG 006

130 - Identify and pack for shipping as per PPP D412-783-011 Location: FG129 PPP

Rev: _____

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D3943-041	Ground Handling Crank Assembly	2 Ea (1 ea)	90-Start up Operation	5077811
D3949-043	Gross Weight Towing Cable Flag Assembly	2 Ea (1 ea)	90-Start up Operation	7159146
D3951-1	Equipment Bag	2 Ea (1 ea)	90-Start up Operation	7122832
D3954-1	GWT Pin	4 Ea (2 ea)	90-Start up Operation	7144636 x1
D3954-3	GWT Knob	4 Ea (2 ea)	90-Start up Operation	5094808

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	D3943-041	2	0	0
	D3949-043	2	4	0
	D3951-1	2	31	0
	D3954-1	4	1	0
	D3954-3	4	0	0

Part Specifications

Specifications could not be found.



WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____
QA Closed: _____ Date: _____

Work Order update only

DISPOSITION		AGAINST DEPARTMENT/PROCESS				QTY Effective :		MRR (QS042) Approval	
Work Order: _____	Rework	Skid-tube	Cross tube	Water Jet	Engineering				
Part No. _____	Scrap	Machining	Small Fab	Prod. Eng. Coord.	Quality				
NCR No. _____	Use-as-is	Thermoforming	Finishing	Rec/Store/Packaging	Other				
Date : _____	Suspected Unapproved	Large Fab	Composite	Supplier					
Step #: _____						Completed By			
						Lead hand / Supervisor Approval Verification			
						QC / QA Coordinator Approval			

Container No: S093584
Part: D412 - 783 - 011
Job No: 178291
Serial No/Batch: S093584
Revision: E/E
Inspector:
Exp Date:
Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 07/19/18

Root Cause		Positioned Wrong		Outside Dimensions		Over/Under tolerance		Part Incorrect		Part Lost/Missing		Part Moved		Drawing		Finish		Misread		Turning Sequence	
Environment		Power Loss/ Surge		Outside Dimensions		Over/Under tolerance		Part Incorrect		Part Lost/Missing		Part Moved		Drawing		Finish		Misread		Turning Sequence	
Design		Design/Program		rain		rain		Part Lost/Missing		Part Moved		Drawing		Finish		Misread		Turning Sequence		Turning Sequence	
Doc/Data		Wrong Stock Pulled		Out of Sequence		Out of Sequence		Off-set		Misaligned		Fit/Function		Misaligned/off center							
Equip/Tooling		Contamination		Countersink		Cut Too Short		Instructions Incomplete/Unclear		Drill Holes											
Handling/Pre		Crushing		Heat Treat		Wave/Twist in Tube		Marks/Chatter													
Material		Poor Information		Rushing		Product Improvement		Process Improvement		Manufacturing Process		Past Due		OTHER :							
Internal Transport																					
Tribal Knowledge																					
LOA																					
Substation																					
Past Expiry Date																					
Misidentified																					

4.0 CALIBRATION

4.1 Calibration of the D3943-041 Tow Crank Assembly

4.1.1 The chain ratchet handle on the D3943-041 Tow Crank Assembly must be calibrated annually to ensure the handle indicates "clicks" when a 3500 lbs – 4000 lbs load has been achieved. To calibrate loosen setscrew that locks the threaded stainless steel ball plunger (Refer to figure 2 for details). Place a load cell inline and ratchet until the 3500 lbs – 4000 lbs has been reached. If the handle clicks before the 3500lbs load then turn plunger clockwise 1/8 turn, remove load and retry. If handle does not click between the 3500lbs and 4000 lbs load, turn plunger 1/8 turn counterclockwise, remove load and retry. Once the handle has been properly set retighten setscrew and test once more.

4.1.2 The Tow Crank Assembly may be returned to DART for calibration, at the operator's expense.

5.0 PARTS LIST

QTY -011	PART NUMBER	DESCRIPTION
X	D412-783-011	GROSS WEIGHT TOWING KIT
1	D3943-041	TOW CRANK ASSEMBLY
1	D3949-043	FLAG ASSEMBLY
1	D3951-1	EQUIPMENT BAG
2	D3954-1	GWT PIN
2	D3954-3	GWT KNOB

Change Record

PAGE 1 OF 1

Part Number: D412-783-011

Description: GROSS WEIGHT TOWING CABLE

[illegible]